
Circulation

An Official Journal of the American Heart Association

AUTHOR/SUBJECT INDEX TO

VOLUME 73

JANUARY-JUNE 1986

*

Dyslipoproteinemia in North America:
The Lipid Research Clinics Program Prevalence Study
Part II, Volume 73, Number 1, January 1986
Supplement I

*

The Role of Programmed Electrical Stimulation in Evaluation of Investigational Antiarrhythmic Drugs
Part II, Volume 73, Number 2, February 1986
Supplement II

*

Newer Positive Inotropic Agents
Part II, Volume 73, Number 3, March 1986
Supplement III



AMERICAN HEART ASSOCIATION, INC.

AUTHOR INDEX*

NOTE

*Committee and Special Reports are published in rear forms as part of AHA News.
The reports follow text and are continued into rear ad pages.*

A

Abbate R, 409
Abbott JA, 930
Abboud F, 1145
Abelmann WH, 1058
Abrams GD, 518, 1077
Achuff SC, 331
Adams RJ, 172
Adolph R, I-91
Aimé E, 1248
Åkerblom HK, 1119
Akhtar M, 920
Albers JJ, I-4
Alferness C, 525
Almquist A, 1013
Alousi AA, III-10
Alpert JS, 309
Alt E, 1206
Ambos HD, 675
Amerini S, 180
Amodeo C, 108
Anderson HV, 1223
Anderson JL, II-50
Angoli L, 1248
Antzelevitch C, 1342
Armstrong CS, 684
Armstrong MA, 628
Armstrong ML, 1199
Arnold JMO, 130
Ashton JH, 572
Askew TE, 1077
Auth DC, 1006
Aversano T, 938
Aylward PE, 913, 1145

B

Bachorik PS, I-4
Badger RS, 653
Bailey K, 14
Baim DS, III-168, III-205
Bardy GH, 525, 1321
Barnes R, I-100
Barrett-Connor E, I-51, I-70
Barrios L, 877
Bartoli A, 1248
Bassett AL, III-36
Bates ER, 1155
Battle J, 294
Battaini F, 784
Baughman KL, 331
Baylen BG, 1042
Bazelmans J, 30
Beaton G, I-80
Beavo JA, III-109
Becker LC, 938
Beller GA, 150, 1186
Bendit DG, 1013
Benedict CR, 572
Benotti J, III-145
Benson LN, 758
Benziger DP, III-145
Berkovits BV, 309

Bernstein AD, 1087
Besson WT III, 360
Bichei D, 492
Bigger JT Jr, 19, II-73, II-105
Binah O, III-46
Bing OHL, 1037
Bishop RL, 309
Björnstad J, 161
Blatt CM, II-3
Blaustein AS, 1037
Blinks JR, III-85, III-117
Bloom S, 1354
Bloomfield P, 1213
Bolson EL, 653
Bonow RO, 276
Booth DC, 47, 562
Borer J, 338
Borer JS, 900
Borow KM, III-153
Bounameaux H, 511
Bourland JD, 484
Boutaleb AK, 386
Boyd EGCA, 1029
Boyle KE, I-4, I-91
Brady F, 433
Bramucci E, 1248
Brandt B III, 1199
Braunwald E, 130, 338, 1281, III-1, III-175, III-237
Brayden GP, 467
Breazeale DG, 1321
Brinker JA, 331
Brizendine M, 268
Brookes DI, 433
Brown BG, 653
Brown DD, 701
Bruch P, 551
Brunken R, 951
Brutsaert DL, III-25
Bucheleres GH, 89
Buda AJ, 1065
Buja LM, 572
Burkhoff D, 586
Burton D, 30, 615
Buxton AE, 73, 645, II-67
Byington R, 503

C

Cahill PD, 1310
Cain ME, 675
Cameron JS, III-36
Campbell WB, 572
Cannon RO III, 276
Cannon SR, 964
Canobbio MM, 396, 1137
Carceller A-M, 622
Carroll JD, 1037
Cassidy DM, 645
Castellani S, 409
Cerbai E, 180
Chadda K, 503
Chadwick B, III-213
Chalant CH, III-25
Chamblee LE, I-4, I-12, I-30, I-40, I-51, I-62, I-70, I-91, I-100, I-108

Chance B, 1127
Chandra NC, 331, 539
Chandraratna PAN, 62
Chang BL, 789
Chang ML, III-109
Chantarojanasiri T, 809
Charbonneau P, 476
Charos GS, 309
Chase GA, I-30
Chatterjee K, 492, III-145
Cheever A, 172
Chen CC, 997
Chen P-S, 1022
Chesebro JH, 227, 338
Chierchia S, 233
Child JS, 396, 951, 1137
Christensen B, I-119
Christiansen D, I-80
Cloez JL, 622, 892
Cody RJ, 124, III-145
Cohen C, 1360
Cohen J, 316
Cohen JD, 114
Cohen LS, 338
Cohn JN, III-230
Colen D, 347, 511
Collins SM, 467
Coltorti F, 525, 1321
Colucci WS, 130, III-175
Come P, 579
Come PC, 799
Conant R, 268
Conti CR, 727
Cooper DM, 1137
Corday E, 789
Coronel R, 189
Cotsonis GA, 710
Cowan LD, I-40
Cox WR, 1223
Crawford MH, 964
Criqui MH, I-12, I-40, I-100
Croft CH, 1281
Crouzel C, 476
Crouzel M, 476
Crumpacker CS, 1058
Cummins RO, 381
Cunnion RE, 637
Curb JD, 503

D

Dahlen G, 1097
Dalen J, 338
Danilo P Jr, III-46
Danovitch GM, 396
Dave J-M, 1334
David D, 997
Davies G, 233
Davies MJ, 418
Davignon A, 622
Davis JC, 10, 930
Davis KB, 1254
De Cock F, 511
de Faire U, 1097
De Geest H, 877
de Klerk N, 885

*Roman numbers indicate articles published in supplements.

AUTHOR INDEX

de Landsheere CM, 433
 De Servi S, 1248
 Deal BJ, 1111
 Dean JM, 809
 Deanfield JE, 433
 DeCampi WM, 1310
 DeFeeo TT, III-65
 DeMaria AN, 47, 100, 562
 Denker ST, 920
 Depeursinge CD, 386
 Depeursinge FB, 386
 Derby GC, 1310
 Dervan JP, 734
 Desvigne-Nickens P, 338
 Detrano R, 970
 Devereux RB, 900
 Dixon EG, 1022
 Dodge HT, 338, 653
 Dollery CT, 240
 Dongas J, 920
 Doran JB, 1300
 Dorian P, 1334
 Douglas FL, 740
 Douglas JS Jr, 1223
 Douglas JS, 710
 Douglas NWS, 428
 Dreifus LS, 997
 Drury JK, 789
 Ducas J, 1050
 Ducharme G, 622
 Duncan B, I-100
 Dynon MK, 987
 Dysko RC, 518

E

Edelson J, III-145
 Ehrreich S, II-1
 Eigler NL, 789
 Eisenberg MS, 381
 Ekelund L-G, I-91, I-100
 Eldar M, 930
 Elion JL, 562
 Elkayam U, 62, 316
 Elmalem D, 611
 Emmanouilides GC, 1042
 Endoh M, III-85, III-117
 Engle CL, 837
 English L, 718
 Erickson EE, 467
 Esler M, 30
 Esler MD, 615
 Evangelista A, 294
 Evans J, 562
 Evans JJ, II-32
 Eysmann SB, 73
 Ezekowitz MD, 668

F

Fain ES, 1334
 Fantone JC, 518, 1077
 Farah AE, III-4
 Farmer KL, 452
 Feather T, I-80
 Feihl F, 386
 Feiring AJ, 551
 Feldman RL, 727
 Ferguson JJ, 799
 Ferrario M, 1248
 Fifer MA, III-175

Fink LI, 1127
 Fisher LD, 1254, II-98
 Fitzgerald C, 572
 Fitzgerald GA, 1300
 Flanagan TL, 150
 Fleet WF, 837
 Fleiss JL, 19
 Floras JS, 1145
 Foale R, 433
 Force T, 1360
 Forrester J, 789
 Fouron J-C, 622
 Fox JG, 1058
 Francis CK, 338
 Francis GS, 847
 Frantz ID, I-12
 Freedom RM, 758, 765
 Friedlaender G, 668
 Friedman G, 628
 Friedman L, II-59
 Frohlich ED, 108
 Fujiwara H, 749
 Fujiwara T, 749
 Furberg C, 14
 Fuster V, 227
 Fye WB, 21, 857

G

Gaasch WH, 1037
 Gage JE, 865, 1162
 Gaide MS, III-36
 Gallagher KP, 1065
 Gallastegui JL, 1111
 Gallery CA, 653
 Galve E, 294
 Ganz P, 130
 Garabedian HD, 347
 Garcia-Del-Castillo H, 294
 Gardner MJ, 684
 Gascho JA, 150
 Geboers J, 877
 Gensini GF, 409
 Gerren RA, 1065
 Gersh BJ, 1254
 Gerstenblith G, 331
 Gervino EV, III-205
 Gettes LS, 837
 Gheorghiaide M, 1186
 Ghio S, 1248
 Gibbons J, 765
 Gibson RS, 1186
 Gilfoil M, 1360
 Ginzton LE, 268
 Giotti A, 180
 Girling L, 1050
 Glickman M, 668
 Glueck CJ, I-12, I-51, I-119
 Goble AJ, 987
 Goenem MJ, III-25
 Gold HK, 347
 Gold RL, 309
 Goldberg LI, 740
 Goldberg S, 734
 Goldstein RA, III-191
 Goldstein S, 503
 Gornick CC, 1013
 Gottlieb SO, 331
 Govoni S, 784
 Gow R, 765
 Graboys TB, II-3, II-81
 Graebner CA, 837

Granato JE, 150
 Graor RA, 1291
 Graves K, I-80
 Greene HL, 525, 1321
 Grekin RJ, 1155
 Gresick RJ Jr, 89
 Griffin JC, 930
 Grimm J, 865, 1162
 Grose R, III-162
 Grossbard EB, 347
 Grossman W, 579, 799, III-205
 Gruentzig AR, 710, 1223
 Grupp G, III-134
 Grupp I, III-134
 Guerci AD, 539
 Guiraudon GM, 484
 Gumbardo D, III-213
 Gustafson N, 1281
 Guth B, 596
 Gwathmey JK, III-65

H

Haffajee CI, 309
 Halfor S, I-108
 Halperin HR, 539
 Hamashima Y, 749
 Hammon JW, 224
 Hamsten A, 1097
 Hands ME, 885
 Handshoe R, 100
 Handshoe S, 100
 Hanet C, 1270
 Hangartner JR, 418
 Hanley JA, 54
 Hansen DD, 1006
 Hansen DE, 1310
 Hansen K, 525
 Hariman RJ, 1111
 Harker LA, 206
 Harrison DC, 1310
 Harrison DG, 467
 Harrison E, 316
 Harrison SA, III-109
 Haskell WL, I-40
 Hasking GJ, 615
 Hazzard WR, I-126
 Heger JJ, II-32
 Heinz M, 1206
 Heiss G, I-12, I-40, I-51, I-62, I-70, I-91, I-100
 Hess OM, 865, 1162
 Hill JA, 727
 Hillis LD, 138, 338, 662
 Hiratzka L, 1199
 Hirsgitter C, 1206
 Hoagland P, 1281
 Hochreiter C, 900
 Hohnloser SH, 143
 Holida MD, 286
 Hollman J, 710
 Holmes DR Jr, 1254
 Holt PM, 1029
 Hongo M, 249
 Hood WB Jr, III-145
 Horacek BM, 684
 Horowitz JD, 987
 Horowitz LN, II-28
 Hortsop J, 54
 Hotchkiss A, 1291
 Hubbard JE, II-32
 Huey BL, 1186
 Hulley SB, 114

AUTHOR INDEX

Hunninghake DB, I-70
 Hunt M, 1199
 Hunter WC, 938
 Hurst JW, 606
 Husayni TS, 551

I

Ideker RE, 1022
 Ikeda S-I, 249
 Ikegami M, 1042
 Inoue M, 460
 Insull W Jr, I-108
 Isaaz K, 892
 Ivey TD, 525, 1321

J

Jacobs DR, I-30
 Jacobs H, 1042
 Jaffe AS, 1281
 Janicki JS, III-196
 Janse MJ, 189
 Jansen DE, 662
 Jaski BE, III-175
 Jennings G, 30
 Jennings GL, 615
 Jobe A, 1042
 Johansen A, 161
 Johns J, 615
 Johns JA, 347
 Johnsen A-M, 401
 Johnson DC, III-10
 Johnson GJ, 847
 Johnson MR, 467
 Johnson N, I-62, I-100
 Johnson TA, 837
 Jones DL, 484
 Jones RA, 1127
 Josephson ME, 73, 645, II-67

K

Kadish AH, 818
 Kaiser DL, 1186
 Kallok MJ, 484
 Kamada T, 460
 Garrison T, 740
 Kass D, 938
 Kass DA, 586
 Kates RE, 1334
 Katz AM, III-184
 Kawai C, 749
 Kawanishi DT, 62
 Kemper A, 1360
 Kennedy JW, 653
 Kennedy PL, 138
 Kenyon JL, III-52
 Keon WJ, 428
 Kerber RE, 701, 1199
 Kesteloot H, 877
 Kieso R, 1199
 Killip T III, 1254
 Kimura S, III-36
 King SB III, 710, 1223
 Kirby ML, 360

Kirchner PT, 551
 Kitabatake A, 460
 Kitchin AH, 1213
 Klatsky AL, 628
 Kléber AG, 189
 Klein GJ, 484
 Kligfield P, 900
 Knapman PA, 418
 Knatterud G, 338
 Kobayashi H, 784
 Kobrin I, 108
 Kodama K, 460
 Kochler RC, 809
 Konishi T, 95
 Korner P, 30
 Korner PI, 615
 Kortas C, 492
 Kozlovskis PL, III-36
 Krafchek J, 1239
 Krayenbuehl HP, 865, 1162
 Krebs C, III-145
 Kremer MS, 662
 Krieger NS, III-59
 Kubo SH, 124
 Kuller LH, 114
 Kunkel SL, 1077
 Kwan OL, 100
 Kwiterovitch PO Jr, I-30, I-108, I-119

L

Laks MM, 268
 Lamberth WC Jr, 1199
 Lampert S, II-3, II-81
 Lang RM, III-153
 Lange HW, 143
 Lanoue AS, III-168, III-205
 LaRosa JC, I-1, I-12, I-108, I-126
 Laskarzewski PM, I-40, I-51, I-119
 Laureano R, 409
 Lawrie GM, 1239
 Leatherman J, 970
 Lee J-D, 596
 Lee WH, 257
 Lehmann MH, 920
 Leimbach WN Jr, 913, 1145
 Leimgruber PP, 710, 1223
 Leinbach RC, 347
 Leis LA, 847
 LeJemtel TH, III-162, III-213
 Lenfant C, 855
 Leon C, 718
 Leon MB, 276
 Leonard D, 124
 Levin HR, 539
 Levine JH, 818
 Levine TB, III-230
 Levy RI, I-126
 Lijnen HR, 511
 Lima JAC, 172
 Lima SD, 172
 Limacher MC, 727
 Lindsay BD, 675
 Lippel K, I-4, I-62
 Little JA, I-80, I-108
 Livelli FD Jr, II-73
 Lloyd BL, 885
 Lodge NJ, III-36
 Louhivuori K, 1119
 Louis WJ, 987
 Lowell DG, 89
 Lowry B, 143, II-3, II-81

Lucas FV, 1291
 Lucchesi BR, 518, 1077
 Luczkowec C, III-145
 Ludbrook P, 338
 Ludbrook PA, 978
 Ludmer PL, 130
 Lutin W, 82
 Lutz W, 1213

M

Macdonald PS, 987
 Macdonald RG, 727
 Magnoni MS, 784
 Magro SA, 1239
 Mahmud R, 920
 Malliani A, 201
 Mandelkern M, 951
 Manzini C, 492
 Marchlinski FE, 73, 645
 Maron F, 892
 Marcus ML, 467, 551, 1199
 Maris J, 1127
 Mark AL, 913
 Markis JE, 338
 Maroko PR, 734
 Maron BJ, 54
 Marone G, 1175
 Marshall R, 951
 Martin RO, 1022
 Maseri A, 233
 Maskin CS, III-196
 Mason JW, II-50
 Masotti G, 409
 Masuda Y, 830
 Masuyama T, 460
 Mathey D, 653
 Matlib MA, III-134
 Matsumori A, 1058
 Mattson FH, I-80
 Maughan WL, 586, 938
 Mauran P, 622
 McGuire V, I-80
 McKay CR, 62
 McKay RG, 799
 McPherson DD, 1199
 Meerbaum S, 789
 Megan MD, 1199
 Meier B, 710
 Meijboom EJ, 41
 Mellits ED, 331, 539
 Messerli FH, 108
 Mettauer B, 492
 Meyer W, III-99
 Michael JR, 809
 Michelson EL, 997, II-11
 Miles WM, 244, II-32
 MILIS Study Group, 1281
 Miller DC, 1310
 Miller HC, 1213
 Miller JF, 964
 Miller JM, 645
 Miller LS, III-36
 Miller M, 596
 Miller MJ, 579, 799
 Miller SM, 1111
 Milner J, I-80
 Mirvis DM, 365
 Mitani G, 316
 Mitchell RS, 1310
 Mitsos SE, 518, 1077
 Mock MB, 1254

Momomura S-i, 579
 Monje E, 374
 Monrad ES, 1058, III-168, III-205
 Monson DO, 89
 Montague TJ, 684
 Mookherjee S, 1264
 Moore EN, 818, II-11
 Morgan DJ, 987
 Morgan JP, III-65
 Morgan KG, III-65
 Morganroth J, II-92
 Mori K, 95
 Morrison JA, I-12, I-30
 Mostow ND, 1231
 Mueller H, 338
 Mugelli A, 180
 Müller FB, 124
 Muller J, 1281
 Murakami T, 865, 1162
 Murphy JC, 1058
 Mussini A, 1248
 Myerburg RJ, III-36
 Myhre ESP, 161

N

Naito M, 997
 Nakai M, 775
 Nakamura K, 95
 Nakao S, 579, 799
 Nakazawa M, 95
 Nanna M, 62
 Nanto S, 460
 Natanson C, 637
 Neaton J, 114
 Nelson JG, 452
 Nelson L, 30
 Neri Serneri GG, 409
 Nestel P, 30
 Neumann A, III-153
 Niggemann EH, 662
 Niles N, 900
 Nissen SE, 47, 562
 Nivatpumin T, 789
 Noon D, 1231
 Nygaard TW, 1186

O

Oates JA, 224
 O'Connell JB, 353
 Ogata H, 1042
 Okubo S, 775
 Oliver MF, 1
 Olley P, 765
 Onodera T, 749
 Ouyang P, 331

P

Pace D, 1065
 Packer M, 257
 Pacquet M, 765
 Palacios I, 347
 Pardonge-Lavenne E, 1270
 Parisi AF, 1360
 Parker MM, 637
 Parrillo JE, 637
 Parsonnet V, 1087
 Participants in the Coronary Artery Surgery Study, 1254

Pasinetti G, 784
 Passamani ER, 338, 1281
 Patten R, I-62
 Pelker RR, 668
 Pepine CJ, 727
 Perkins L, 1360
 Perloff JK, 396, 1137
 Permanyer-Miralda G, 294
 Pernot C, 622, 892
 Perret CH, 386
 Pesonen E, 1119
 Petein M, III-230
 Pettinger M, 1254
 Pfaff JM, 789
 Phelps ME, 951
 Piazza G, 180
 Picotti GB, 1175
 Piene H, 161
 Pike VW, 433
 Pitt B, 518
 Podrid PJ, 143, II-3, II-81
 Poggesi L, 409
 Poll DS, 645
 Poma E, 1248
 Pomrehn P, I-62, I-100
 Poole WK, 1281
 Pope CF, 668
 Poto S, 1175
 Pouleur H, 1270
 Powers ER, 338
 Pratt CM, 718
 Prechel D, 1111
 Prenant C, 476
 Prewitt RM, 1050
 Prisco D, 409
 Pritzker MC, 1013
 Probstfield JL, I-30
 Prood C, 818
 Prystowsky EN, 244, II-32
 Puri VK, 1183

Q

Quinones MA, 452, 718

R

Raabe DS Jr, 1281
 Rackson M, 525
 Raeder EA, 143
 Raheja R, 1183
 Raheja S, 572
 Rahimtoola SH, 62, 316
 Rajfer SI, 740
 Rakita L, 1231
 Ramanathan KB, 365
 Ransil BJ, 579
 Rao AK, 338
 Rapoport S, 668
 Rapundalo ST, III-134
 Räsänen L, 1119
 Reap EA, 353
 Reddy PS, III-219
 Reed KL, 41
 Reeves JP, III-52
 Reeves RA, 401
 Reichenbach D, 1321
 Reid CL, 62
 Reiffel JA, II-73
 Reilly IAG, 1300
 Richards KL, 964
 Rifkind BM, I-62

Ritchie JL, 325, 1006
 Ritter JM, 240
 Ritter M, 865
 Roberts R, 338, 718, 1239, 1281
 Robinson JA, 353
 Robinson JS, 885
 Robison AK, 1291
 Roden DM, II-39
 Rogasi PG, 409
 Rogers MC, 809
 Rolnitzky LM, 19
 Romhilt D, I-91
 Rondanelli R, 1248
 Rosen MR, II-18, III-46
 Rosing DR, 276
 Rosove MH, 1137
 Ross A, 338
 Ross AM, 1354
 Ross EA, 396
 Ross J Jr, 596
 Rossen JD, 740
 Roth A, 316
 Roubin GS, 710, 1223
 Rouleau J-L, 492
 Rousseau MF, 1270
 Rowe RD, 758
 Rubenstein C, I-91
 Rude RE, 1281
 Ruder MA, 930
 Rüegg JC, III-78
 Ruffy R, 374
 Russell RJ, 172
 Rutman HI, 124, III-213
 Ryan TJ, 338

S

Sagawa K, 586
 Sahagian P, 579, 799
 Sahn DJ, 41, 300
 Salcedo EE, 970
 Sandza J, 374
 Santucci BA, 89
 Sarna S, 1119
 Sato H, 460
 Satomi G, 95
 Sayre SL, 1186
 Scagliotti D, 1111
 Scagnelli SA, 41
 Schae GL, 637
 Schaffenburg M, 997
 Schechtman K, 374
 Schechtman KB, 675, 978
 Scheinman MM, 10, 930, II-79
 Schelbert HR, 951
 Schenke WH, 276
 Schick U, 1050
 Schlant RC, 1094
 Schleien CL, 809
 Schmidt SB, 1354
 Scholz H, III-99
 Schonfeld G, 978
 Schork MA, 518, 1077
 Schröder E, 1199
 Schwaiger M, 951
 Schwartz A, III-134
 Schwartz R, III-145
 Seals AA, 718
 Sedlis SP, 978
 Segal P, I-91, I-108
 Seger JJ, 930
 Seitelberger R, 596
 Selwyn AP, 433

AUTHOR INDEX

Shaddy RE 82
 Shapiro AP, 401
 Shapiro EP, 331
 Shapiro JR, 54
 Sharma AD, 484
 Shea MJ, 433, 518
 Sheffeld LT, I-91
 Sheldon WC, 199
 Shen X, 1342
 Shenker L, 41
 Shenker Y, 1155
 Shi A-Y, 539
 Shibata N, 1022
 Shlafer M, 1065
 Sia STB, 987
 Siegel M, 62
 Sietsema KE, 1137
 Silverman KJ, III-205
 Silverman NH, 82
 Siu CO, 818
 Skale BT, II-32
 Skorton DJ, 467
 Slysh S, 734
 Smallhorn JF, 622, 758, 765
 Smits OA, 428
 Smith B, 1300
 Smith EO, 668
 Smith ER, 428, 684
 Smith HS, III-168, III-205
 Smith MD, 100
 Smith SM, 89
 Smulyan H, 1264
 Snider AR, 82
 Sniderman KW, 668
 Sobel BE, 338, 978, 1281, 1291
 Sodowick B, III-46
 Solaro J, III-134
 Soler-Soler J, 294
 Sonnenblick EH, III-162, III-213
 Sostman HD, 668
 Soto JG, 452
 Spear JF, 818, II-11
 Specchia G, 1248
 Stathopoulos VM, III-59
 Stern PH, III-59
 Stevenson WG, 693
 Stewart P, I-30, I-51
 Stewart R, 525
 Stinnett S, I-4, I-30, I-108
 Stone PH, 1281
 Strain J, III-162
 Stratton JR, 325
 Strauss HW, 611, 1281
 Stroshane R, III-145
 Stuesser SL, 830
 Stults KR, 381, 701
 Suchindran CM, I-51, I-80, I-119
 Sundlof G, 913
 Sutko JL, III-52
 Swan HJC, 789
 Syrota A, 476
 Sys SU, III-25
 Szamosi A, 1097
 Szarfman A, 172

T

Tacker WA, 484
 Taichman GC, 428
 Taira N, III-117
 Tajimi T, 596
 Takao A, 95
 Tamura T, 300

Tanaka M, 749
 Taylor A, 572
 Taylor FB, 668
 Tchou PJ, 920
 Teabeaut JR II, 360
 Thigpen T, 268
 Thomas AC, 418
 Thomas LJ, 1281
 Thomas R, 1321
 Thompson ME, 401
 Thompson PL, 885
 Tiefenbrunn AJ, 1291
 Tillisch J, 951
 Tobler HG, 1013
 Tomimatsu H, 95
 Tomino T, 775
 Tomizuka F, 300
 Tompkins PK, 1199
 Touyama K, 95
 Townsend SN, 331
 Trabucchi M, 784
 Traill TA, 331
 Traystman R, 809
 Tremblay G, 492
 Triggiani M, 1175
 Trischmann T, 172
 Trusler GA, 758, 765
 Tsipouras P, 54
 Tsitlik JE, 539
 Tuna IC, 1013
 Turner DA, 89
 Turton DL, 433
 Tyberg JV, 428
 Tyroler HA, I-51, I-119

U

Uematsu M, 460
 Ugolini V, 662
 Uretsky BF, III-219

V

Valdes AM, III-219
 Valdes-Cruz LM, 41, 300
 Valois J-M, 476
 Van de Werf F, 877
 van den Berg F Jr, 662
 Van Den Berghe G, 1270
 van Doesburg NH, 622
 Van Hoof, F, 1270
 Van Mierop LHS, 360
 Varghese PJ, 1354
 Vassallo JA, 645
 Ventura HO, 108
 Verstraete M, 511
 Victor RG, 913
 Vigorito C, 1175
 Viikari J, 1119
 Vlad P, 765
 Vracko R, 1006
 Vrobel TR, 1231
 Vulliemoz Y, III-46

W

Wahl P, I-70
 Walbaum PR, 1213
 Waldo A, II-45
 Wallace RB, I-62, I-70, I-100

Walldius G, 1097
 Wallach DW, 830
 Wallin BG, 913
 Wang PJ, II-73
 Warner RA, 1264
 Wasserman K, 1137
 Waters J, 47
 Watson DD, 150, 1186
 Weber KT, III-196
 Weisfeld ML, 331, 539
 Weisman HF, 818
 Weiss JL, 172
 Weiss JN, 693
 Weissfeld L, I-100, I-108
 Wells PJ, 138
 Werns SW, 518
 Wetstein L, II-11
 Wheatley DJ, 1213
 Wheelan KR, 662
 Whipp BJ, 1137
 White CW, 286, 444, 467
 Whiting JS, 789
 Wienet DH, 1127
 Wiener I, 693
 Wierman A, 718
 Wilcosky TC, I-119
 Wilde AAM, 189
 Willerson JT, 572, 1281
 Williams DO, 338
 Williams G, 970
 Williams OD, I-4, I-80
 Williams WG, 758
 Wilms-Schopmann FJG, 189
 Wilson JL, 365
 Wilson JR, 1127
 Wilson R, 433
 Wilson RF, 286, 444
 Windle JR, II-32
 Winkle R, II-101
 Winkle RA, 1334
 Winniford MD, 138, 338, 662
 Wirtzfeld A, 1206
 Wisenbaugh T, 47
 Wittes J, 14
 Woo Y-R, 300
 Woodward E, 987
 Woosley RL, II-112
 Worms AM, 892
 Wright RF, 130, III-175
 Wu D-J, 749
 Wyndham CRC, 1239

Y

Yackee JM, 1354
 Yamazaki T, 586
 Yanagisawa T, III-117
 Yang SC, 1183
 Yasuda T, 347
 Yiannikas J, 970
 Yoganathan AP, 300
 Young JB, 718
 Yusuf S, 14, II-59

Z

Zalewski A, 734
 Zaret B, 338
 Zaret BL, 668
 Zelcer A, III-162
 Zipes DP, II-32
 Zoghbi WA, 452

SUBJECT INDEX*

A

Alcohol

The relationships of alcoholic beverage use and other traits to blood pressure: a new Kaiser Permanente study, 628

Allopurinol

Reduction of the size of infarction by allopurinol in the ischemic-reperfused canine heart, 518

Amiodarone

Rapid suppression of complex ventricular arrhythmias with high-dose oral amiodarone, 1231

Amrinone

Clinical effects of intravenous amrinone in patients with congestive heart failure, III-191

Does amrinone inhibition of stimulated bone resorption involve Na^+ - Ca^{++} exchange? III-59

Effects of amrinone and milrinone on calcium influx into the myocardium, III-52

The effects of amrinone and related drugs on intracellular calcium in isolated mammalian cardiac and vascular smooth muscle, III-65

Effects of amrinone on contraction and K^+ -induced contracture of normal and subacutely failed cat ventricular muscle, III-36

Inotropic effects of amrinone and milrinone on contraction and relaxation of isolated cardiac muscle, III-25

The inotropic effects of amrinone and milrinone on neonatal and young canine cardiac muscle, III-46

Pharmacokinetics of the bipyridines amrinone and milrinone, III-145

Pharmacology of the bipyridines: amrinone and milrinone, III-10

Amyloid heart disease

Echocardiographic assessment of the evolution of amyloid heart disease: a study with familial amyloid polyneuropathy, 249

Angina

Changes in myocardial metabolism during therapy in patients with chronic stable angina: a comparison of long-term dosing with propranolol and nicaldipine, 1270

Effect of the addition of propranolol to therapy with nifedipine for unstable angina pectoris: a randomized, double-blind, placebo-controlled trial, 331

Effects of diltiazem on regional coronary hemodynamics during atrial pacing in patients with stable exertional angina: implications for mechanisms of action, 1248

Enhanced peripheral vasoconstrictor response and increased thromboxane A_2 synthesis after the cold pressor test in patients with angina at rest, 409

Intramyocardial platelet aggregation in patients with unstable angina suffering sudden ischemic cardiac death, 418

Quantitative angiographic morphology of coronary stenoses leading to myocardial infarction or unstable angina, 286

Vasoconstriction of stenotic coronary arteries during dynamic exercise in patients with classic angina pectoris: reversibility by nitroglycerin, 865

Angiography

Digital angiographic measurement of radiographic contrast material kinetics for estimation of myocardial perfusion, 789

Incomplete lysis of thrombus in the moderate underlying atherosclerotic lesion during intracoronary infusion of streptokinase for acute myocardial infarction: quantitative angiographic observations, 653

Quantitative angiographic morphology of coronary stenoses leading to myocardial infarction or unstable angina, 286

Relationship of angiographically defined coronary artery disease to serum lipoproteins and apolipoproteins in young survivors of myocardial infarction, 1097

Value and limitations of computer analysis of digital subtraction angiography in the assessment of coronary flow reserve, 562

Angioplasty

Changes in cross-sectional area of the coronary lumen in the six months after angioplasty: a quantitative analysis of the variable response to percutaneous transluminal angioplasty, 467

Measurement of transstenotic pressure gradient during percutaneous transluminal coronary angioplasty, 1223

Restenosis after successful coronary angioplasty in patients with single-vessel disease, 710

*Roman numbers indicate articles published in supplements.

Aortic regurgitation

Cardiovascular involvement in osteogenesis imperfecta, 54

Cardiovascular response to dynamic exercise in patients with chronic symptomatic mild-to-moderate and severe aortic regurgitation, 62

Noninvasive evaluation of aortic regurgitation by continuous-wave Doppler echocardiography, 460

Aortic stenosis

Calculation of aortic valve area by Doppler echocardiography: a direct application of the continuity equation, 964

Diastolic filling dynamics in patients with aortic stenosis, 1162

Apoproteins

Plasma apoproteins and the severity of coronary artery disease, 978

Arrhythmia

Adrenergically mediated variations in the energy required to defibrillate the heart: observations in closed-chest, nonanesthetized dogs, 374

Catheter ablation for treatment of tachyarrhythmias: present role and potential promise, 10

Changes in conduction velocity during acute ischemia in ventricular myocardium of the isolated porcine heart, 189

Clinical and electrophysiologic characterization of automatic functional tachycardia in adults, 930

Comparison of bipolar and unipolar programmed electrical stimulation for the initiation of ventricular arrhythmias: significance of anodal excitation during bipolar stimulation, 693

Comparison of the defibrillation threshold and the upper limit of ventricular vulnerability, 1022

Effects of varying electrode configuration with catheter-mediated defibrillator pulses at the coronary sinus orifice in dogs, 1321

Efficacy and safety of medium- and high-dose diltiazem alone and in combination with digoxin for control of heart rate at rest and during exercise in patients with chronic atrial fibrillation, 316

Electrocardiographic changes after cardioversion of ventricular arrhythmias, 73

Endocardial catheter mapping in patients in sinus rhythm: relationship to underlying heart disease and ventricular arrhythmia, 645

Enhancement by norepinephrine of automaticity in sheep cardiac Purkinje fibers exposed to hypoxic glucose-free Tyrode's solution: a role for α -adrenoceptors? 180

Hematologic effects of the high-energy endocardial ablation technique, 1029

Rapid suppression of complex ventricular arrhythmias with high-dose oral amiodarone, 1231

Regional blood flow correlates of ST segment depression in tachycardia-induced myocardial ischemia, 365

Short- and long-term therapy with tocainide for malignant ventricular tachyarrhythmias, 143

A theoretically and practically more effective method for interruption of ventricular tachycardia: self-adapting autodecremental overdrive pacing, 309

Vulnerability to ventricular arrhythmia: assessment by mapping of body surface potential, 684

Arterial distensibility

The effect of nitroglycerin on forearm arterial distensibility, 1264

Aspirin

Reduction of indium-111 platelet deposition on Dacron vascular grafts in humans by aspirin plus dipyridamole, 325

Atherosclerosis

Smoking-induced coronary vasoconstriction in patients with atherosclerotic coronary artery disease: evidence for adrenergically mediated alterations in coronary artery tone, 662

Wall thickness, cavity dimensions, and myocardial contractility of the left ventricle in patients with simple transposition of the great arteries. A multicenter study of patients from 10 to 20 years of age, 622

Atrial fibrillation

Efficacy and safety of medium- and high-dose diltiazem alone and in combination with digoxin for control of heart rate at rest and during exercise in patients with chronic atrial fibrillation, 316

Atrial natriuretic hormone

The relationship between plasma levels of immunoreactive atrial natriuretic hormone and hemodynamic function in man, 1155

Atrial septal defect

The detection of atrial and ventricular septal defects with electrocardiographically synchronized magnetic resonance imaging, 89

SUBJECT INDEX

Automated external defibrillator

Efficacy of an automated external defibrillator in the management of out-of-hospital cardiac arrest: validation of the diagnostic algorithm and initial clinical experience in a rural environment, 701

Automaticity

Enhancement by norepinephrine of automaticity in sheep cardiac Purkinje fibers exposed to hypoxic glucose-free Tyrode's solution: a role for α -adrenoceptors? 180

B

Baroreflex

Effects of vasopressin on the circulation and its baroreflex control in healthy men, 1145

Bayesian analysis

Bayesian analysis versus discriminant function analysis: their relative utility in the diagnosis of coronary disease, 970

β -Adrenergic blockade

Abrupt withdrawal of β -blockade therapy in patients with myocardial infarction: effects on infarct size, left ventricular function, and hospital course, 1281

Effect of propranolol after acute myocardial infarction in patients with congestive heart failure, 503

Effect of propranolol on myocardial ischemia occurring during acute coronary occlusion, 727

The elusive link between transient myocardial ischemia and pain, 201

Myocardial protection during transient coronary artery occlusion in man: beneficial effects of regional β -adrenergic blockade, 734

Bioenergetics

Abnormal skeletal muscle bioenergetics during exercise in patients with heart failure: role of reduced muscle blood flow, 1127

Blood flow

Abnormal skeletal muscle bioenergetics during exercise in patients with heart failure: role of reduced muscle blood flow, 1127

Determinants of blood flow to vital organs during cardiopulmonary resuscitation in dogs, 539

Regional blood flow correlates of ST segment depression in tachycardia-induced myocardial ischemia, 365

Regional myocardial and organ blood flow after myocardial infarction: application of the microsphere principle in man, 433

Serotonin as a mediator of cyclic flow variations in stenosed canine coronary arteries, 572

Blood pressure

Loss of nocturnal decline in blood pressure after cardiac transplantation, 401

Blood temperature

Rate control of physiologic pacemakers by central venous blood temperature, 1206

Body surface mapping

Vulnerability to ventricular arrhythmia: assessment by mapping of body surface potential, 684

C

Calcium

Does amrinone inhibition of stimulated bone resorption involve Na^+ - Ca^{++} exchange? III-59

The effects of amrinone and related drugs on intracellular calcium in isolated mammalian cardiac and vascular smooth muscle, III-65

Effects of new inotropic agents on Ca^{++} sensitivity of contractile proteins, III-78

Effects of new inotropic agents on cyclic nucleotide metabolism and calcium transients in canine ventricular muscle, III-117

Modification of myofibrillar responsiveness to Ca^{++} as an inotropic mechanism, III-85

Calcium antagonists

Disparate effects of the calcium-channel blockers, nifedipine and verapamil, on α_2 -adrenergic receptors and thromboxane A_2 -induced aggregation of human platelets, 847

Effects of verapamil on ischemia-induced changes in extracellular K^+ , pH, and local activation in the pig, 837

[Automated external defibrillator—Congestive heart failure]

Captopril

Differential long-term intrarenal and neurohumoral effects of captopril and prazosin in patients with chronic congestive heart failure: importance of initial plasma renin activity, 492

Cardiac arrest

Efficacy of an automated external defibrillator in the management of out-of-hospital cardiac arrest: validation of the diagnostic algorithm and initial clinical experience in a rural environment, 701

Cardiac neural crest

Effects of the size of lesions of the cardiac neural crest at various embryonic ages on incidence and type of cardiac defects, 360

Cardiac output

Effects of supine and lateral positions on cardiac output and intracardiac pressures: an experimental study, 579

Cardiac transplantation

Loss of nocturnal decline in blood pressure after cardiac transplantation, 401

Cardiopulmonary resuscitation

Determinants of blood flow to vital organs during cardiopulmonary resuscitation in dogs, 539

Effect of epinephrine on cerebral and myocardial perfusion in an infant animal preparation of cardiopulmonary resuscitation, 809

Catalase

Failure of superoxide dismutase and catalase to alter size of infarction in conscious dogs after 3 hours of occlusion followed by reperfusion, 1065

Catheter ablation

Catheter ablation for treatment of tachyarrhythmias: present role and potential promise, 10

Some factors affecting bubble formation with catheter-mediated defibrillator pulses, 525

Catheter mapping

Endocardial catheter mapping in patients in sinus rhythm: relationship to underlying heart disease and ventricular arrhythmia, 645

Catheterization

Mechanical thrombolysis: a new rotational catheter approach for acute thrombi, 1006

Cerebrovascular disease

Partial reversal of asymmetry in microvessel neurochemical changes after ischemia by corpus callosum section, 784

Chagas' disease

Absence of left ventricular dysfunction during acute chagasic myocarditis in the rhesus monkey, 172

Cholesterol

A new challenge for America: The National Cholesterol Education Program, 855

Coarctation

Pulsed Doppler findings in patients with coarctation of the aorta, 82

Commissurotomy

Comparative accuracy of two-dimensional echocardiography and Doppler pressure half-time methods in assessing severity of mitral stenosis in patients with and without prior commissurotomy, 100

Computed tomography

Musings on PET and SPECT, 611

Computer-assisted stimulation

Pharmacodynamics of tissue-type plasminogen activator characterized by computer-assisted stimulation, 1291

Congenital heart disease

The detection of atrial and ventricular septal defects with electrocardiographically synchronized magnetic resonance imaging, 89

Dynamics of oxygen uptake during exercise in adults with cyanotic congenital heart disease, 1137

Effects of the size of lesions of the cardiac neural crest at various embryonic ages on incidence and type of cardiac defects, 360

Is the aorta truly杏posed in tetralogy of Fallot? A two-dimensional echocardiographic answer, 892

Pulsed Doppler findings in patients with coarctation of the aorta, 82

Renal function and urate metabolism in late survivors with cyanotic congenital heart disease, 396

Subaortic stenosis, the univentricular heart, and banding of the pulmonary artery: an analysis of the courses of 43 patients with univentricular heart palliated by pulmonary artery banding, 758

Congestive heart failure

Abnormal skeletal muscle bioenergetics during exercise in patients with heart failure: role of reduced muscle blood flow, 1127

Clinical effects of intravenous amrinone in patients with congestive heart failure, III-191

Differential long-term intrarenal and neurohumoral effects of captopril and prazosin in patients with chronic congestive heart failure: importance of initial plasma renin activity, 492

Direct evidence from intraneurial recordings for increased central sympathetic outflow in patients with heart failure, 913

Effect of propranolol after acute myocardial infarction in patients with congestive heart failure, 503

Effects of long-term therapy with oral ibopamine on resting hemodynamics and exercise capacity in patients with heart failure: relationship to the generation of *N*-methyl dopamine and to plasma norepinephrine levels, 740

Effects of milrinone on left ventricular performance and myocardial contractility in patients with severe heart failure, III-162

Identification of the direct vasodilator effect of milrinone with an isolated limb preparation in patients with chronic congestive heart failure, 124

Milrinone, dobutamine, and nitroprusside: comparative effects on hemodynamics and myocardial energetics in patients with severe congestive heart failure, III-168

Milrinone and dobutamine in severe heart failure: differing hemodynamic effects and individual patient responsiveness, III-175

Milrinone for long-term therapy of severe heart failure: clinical experience with special reference to maximal exercise tolerance, III-213

Norepinephrine spillover to plasma in patients with congestive heart failure: evidence of increased overall and cardiorenal sympathetic nervous activity, 615

Persistent hemodynamic effects without long-term clinical benefits in response to oral piroximone (MDL 19,205) in patients with congestive heart failure, III-230

Positive inotropic therapy for short-term support and long-term management of patients with congestive heart failure: hemodynamic effects and clinical efficacy of MDL 17,043, III-219

Potential deleterious effects of inotropic agents in the therapy of chronic heart failure, III-184

Prognostic importance of serum sodium concentration and its modification by converting-enzyme inhibition in patients with severe chronic heart failure, 257

Separation of the direct myocardial and vasodilator actions of milrinone administered by an intracoronary infusion technique, 130

Contractility

The effect of contractility and preload on matching between the canine left ventricle and afterload, 161

Left ventricular performance and contractility before and after volume infusion: a comparative study of preterm and full-term newborn lambs, 1042

Converting-enzyme inhibition

Prognostic importance of serum sodium concentration and its modification by converting-enzyme inhibition in patients with severe chronic heart failure, 257

Coronary artery bypass grafting

Intraoperative evaluation of coronary artery bypass graft anastomoses with high-frequency epicardial echocardiography: experimental validation and initial patient studies, 1199

Coronary artery disease

Bayesian analysis versus discriminant function analysis: their relative utility in the diagnosis of coronary disease, 970

The effect of medical and surgical treatment on subsequent sudden cardiac death in patients with coronary artery disease: a report from the Coronary Artery Surgery Study, 1254

Incomplete lysis of thrombus in the moderate underlying atherosclerotic lesion during intracoronary infusion of streptokinase for acute myocardial infarction: quantitative angiographic observations, 653

Plasma apoproteins and the severity of coronary artery disease, 978

Relationship of angiographically defined coronary artery disease to serum lipoproteins and apolipoproteins in young survivors of myocardial infarction, 1097

Restenosis after successful coronary angioplasty in patients with single-vessel disease, 710

Smoking-induced coronary vasoconstriction in patients with atherosclerotic coronary artery disease: evidence for adrenergically mediated alterations in coronary artery tone, 662

Vasoconstriction of stenotic coronary arteries during dynamic exercise in patients with classic angina pectoris: reversibility by nitroglycerin, 865

Coronary Artery Surgery Study

The effect of medical and surgical treatment on subsequent sudden cardiac death in patients with coronary artery disease: a report from the Coronary Artery Surgery Study, 1254

Coronary flow reserve

Intracoronary papaverine: an ideal coronary vasodilator for studies of the coronary circulation in conscious humans, 444

Value and limitations of computer analysis of digital subtraction angiography in the assessment of coronary flow reserve, 562

Coronary heart disease

Prevention of coronary heart disease—propaganda, promises, problems, and prospects, 1

Coronary sinus

Effects of varying electrode configuration with catheter-mediated defibrillator pulses at the coronary sinus orifice in dogs, 1321

Coronary stenosis

Exercise-induced regional dysfunction with subcritical coronary stenosis, 596

The influence of residual coronary stenosis on size of infarction after reperfusion in a canine preparation, 1354

Serotonin as a mediator of cyclic flow variations in stenosed canine coronary arteries, 572

Cyanosis

Renal function and urate metabolism in late survivors with cyanotic congenital heart disease, 396

Cyclosporine

The effects of cyclosporine on acute murine Coxsackie B3 myocarditis, 353

Therapy with cyclosporine in experimental murine myocarditis with encephalomyocarditis virus, 1058

D**Defibrillation**

Adrenergically mediated variations in the energy required to defibrillate the heart: observations in closed-chest, nonanesthetized dogs, 374

Automatic external defibrillators: clinical issues for cardiology, 381

Comparison of the defibrillation threshold and the upper limit of ventricular vulnerability, 1022

Effects of encainide and its metabolites on energy requirements for defibrillation, 1334

Effects of varying electrode configuration with catheter-mediated defibrillator pulses at the coronary sinus orifice in dogs, 1321

Efficacy of an automated external defibrillator in the management of out-of-hospital cardiac arrest: validation of the diagnostic algorithm and initial clinical experience in a rural environment, 701

Internal cardiac defibrillation in man: pronounced improvement with sequential pulse delivery to two different lead orientations, 484

Diastolic filling

Diastolic filling dynamics in patients with aortic stenosis, 1162

Digitalis

Digitalis—a new controversy regarding an old drug. The pitfalls of inappropriate methods, 14

Is catch-22 alive and well at NHLBI? Reactions to 'Digitalis—a new controversy regarding an old drug', 19

Digoxin

Efficacy and safety of medium- and high-dose diltiazem alone and in combination with digoxin for control of heart rate at rest and during exercise in patients with chronic atrial fibrillation, 316

Diltiazem

Effects of diltiazem on regional coronary hemodynamics during atrial pacing in patients with stable exertional angina: implications for mechanisms of action, 1248

Efficacy and safety of medium- and high-dose diltiazem alone and in combination with digoxin for control of heart rate at rest and during exercise in patients with chronic atrial fibrillation, 316

Immediate and short-term hemodynamic effects of diltiazem in patients with hypertension, 108

Dipyridamole

Reduction of indium-111 platelet deposition on Dacron vascular grafts in humans by aspirin plus dipyridamole, 325

Dobutamine

Milrinone, dobutamine, and nitroprusside: comparative effects on hemodynamics and myocardial energetics in patients with severe congestive heart failure, III-168

Milrinone and dobutamine in severe heart failure: differing hemodynamic effects and individual patient responsiveness, III-175

Milrinone versus dobutamine: contribution of altered myocardial mechanics and augmented inotropic state to improved left ventricular performance, III-153

Doppler velocimetry

Studies *in vitro* of the relationship between ultrasound and laser Doppler velocimetry and applicability to the simplified Bernoulli relationship, 300

Dyslipoproteinemia

Alterations in clinical chemistry levels associated with the dyslipoproteinemias, I-62

The association of dyslipoproteinemia with corneal arcus and xanthelasma, I-108

The association of dyslipoproteinemia with symptoms and signs of peripheral arterial disease, I-100

Customary diet, anthropometry, and dyslipoproteinemia in selected North American populations, I-80

Detection of dyslipoproteinemia with the use of plasma total cholesterol and triglyceride as screening tests, I-30

Dyslipoproteinemia in black participants, I-119

Dyslipoproteinemias and manifestations of coronary heart disease, I-91

Dyslipoproteinemias in North America: introduction, I-1

Frequency and clustering of nonlipid coronary risk factors in dyslipoproteinemia, I-40

Patterns of dyslipoproteinemia in selected North American populations, I-12

Populations and methods for assessing dyslipoproteinemia and its correlates, I-1

Progeny's lipid and lipoprotein levels by parental mortality, I-51

A screening survey of dyslipoproteinemias associated with prescription drug use, I-70

Some clinical implications of the results of the Lipid Research Clinics Program Prevalence Study, I-126

E

Echocardiography

Accurate noninvasive quantification of stenotic aortic valve area by Doppler echocardiography, 452

Blood flow pattern of the interarterial communication in patients with complete transposition of the great arteries: a pulsed Doppler echocardiographic study, 95

Calculation of aortic valve area by Doppler echocardiography: a direct application of the continuity equation, 964

Cardiac Doppler flow velocities in human fetuses, 41

Comparative accuracy of two-dimensional echocardiography and Doppler pressure half-time methods in assessing severity of mitral stenosis in patients with and without prior commissurotomy, 100

Echocardiographic assessment of the evolution of amyloid heart disease: a study with familial amyloid polyneuropathy, 249

Intraoperative evaluation of coronary artery bypass graft anastomoses with high-frequency epicardial echocardiography: experimental validation and initial patient studies, 1199

Is the aorta truly dextroposed in tetralogy of Fallot? A two-dimensional echocardiographic answer, 892

Noninvasive evaluation of aortic regurgitation by continuous-wave Doppler echocardiography, 460

Overestimation of infarct size by quantitative two-dimensional echocardiography: the role of tethering and of analytic procedures, 1360

Pulsed Doppler echocardiographic assessment of the pulmonary venous pathway after the Mustard or Senning procedure for transposition of the great arteries, 765

Pulsed Doppler findings in patients with coarctation of the aorta, 82

Studies *in vitro* of the relationship between ultrasound and laser Doppler velocimetry and applicability to the simplified Bernoulli relationship, 300

Editorials

Automatic external defibrillators: clinical issues for cardiology, 381

Digitalis—a new controversy regarding an old drug. The pitfalls of inappropriate methods, 14

Is catch-22 alive and well at NHLBI? Reactions to 'Digitalis—a new controversy regarding an old drug', 19

Musings on PET and SPECT, 611

A new challenge for America: The National Cholesterol Education Program, 855

Some implications for clinical cardiology of recent advances in interventional cardiology, 1094

Electrical ablation

The cellular electrophysiologic changes induced by high-energy electrical ablation in canine myocardium, 818

Electrocardiography

Electrocardiographic changes after cardioversion of ventricular arrhythmias, 73

Improved selection of patients for programmed ventricular stimulation by frequency analysis of signal-averaged electrocardiograms, 675

Prognostic significance of electrocardiographic site of infarction after correction for enzymatic size of infarct, 885

Electrophysiology

Alteration of human right bundle branch refractoriness by changes in duration of the atrial drive train, 244

The cellular electrophysiologic changes induced by high-energy electrical ablation in canine myocardium, 818

Clinical and electrophysiologic characterization of automatic functional tachycardia in adults, 930

Comparison of bipolar and unipolar programmed electrical stimulation for the initiation of ventricular arrhythmias: significance of anodal excitation during bipolar stimulation, 693

Comparison of the defibrillation threshold and the upper limit of ventricular vulnerability, 1022

Effect of sudden rate acceleration on the human His-Purkinje system: adaptation of refractoriness in a damped oscillatory pattern, 920

Electrophysiologic effects of papillary muscle traction in the intact heart, 1013

Endocardial catheter mapping in patients in sinus rhythm: relationship to underlying heart disease and ventricular arrhythmia, 645

Improved selection of patients for programmed ventricular stimulation by frequency analysis of signal-averaged electrocardiograms, 675

Surgical ablation of ventricular tachycardia: improved results with a map-directed regional approach, 1239

Sympathetic and periodic vagal influences on antegrade and retrograde conduction through the canine atrioventricular node, 830

Vulnerability to ventricular arrhythmia: assessment by mapping of body surface potential, 684

Encainide

Effects of encainide and its metabolites on energy requirements for defibrillation, 1334

Endocardial ablation

Hematologic effects of the high-energy endocardial ablation technique, 1029

Epidemiology

Geographic origin of the family as a determinant of serum levels of lipids in Finnish children, 1119

Epinephrine

Effect of epinephrine on cerebral and myocardial perfusion in an infant animal preparation of cardiopulmonary resuscitation, 809

Exercise

Abnormal skeletal muscle bioenergetics during exercise in patients with heart failure: role of reduced muscle blood flow, 1127

Cardiovascular response to dynamic exercise in patients with chronic symptomatic mild-to-moderate and severe aortic regurgitation, 62

Dynamics of oxygen uptake during exercise in adults with cyanotic congenital heart disease, 1137

The effects of changes in physical activity on major cardiovascular risk factors, hemodynamics, sympathetic function, and glucose utilization in man: a controlled study of four levels of activity, 30

Effects of long-term therapy with oral ibopamine on resting hemodynamics and exercise capacity in patients with heart failure: relationship to the generation of *N*-methyldopamine and to plasma norepinephrine levels, 740

Effects of new inotropic agents on exercise performance, III-196

Exercise-induced regional dysfunction with subcritical coronary stenosis, 596

Milrinone for long-term therapy of severe heart failure: clinical experience with special reference to maximal exercise tolerance, III-213

Quantitative analysis of segmental wall motion during maximal upright dynamic exercise: variability in normal adults, 268

Vasoconstriction of stenotic coronary arteries during dynamic exercise in patients with classic angina pectoris: reversibility by nitroglycerin, 865

F

Fetal physiology

Cardiac Doppler flow velocities in human fetuses, 41

H

 H_1 receptorEffect of activation of the H_1 receptor on coronary hemodynamics in man, 1175

Heart sounds

The mechanism of disappearance of the physiologic third heart sound with age, 877

Hematology

Hematologic effects of the high-energy endocardial ablation technique, 1029

Hemodynamics

Effect of activation of the H_1 receptor on coronary hemodynamics in man, 1175

Effects of diltiazem on regional coronary hemodynamics during atrial pacing in patients with stable exertional angina: implications for mechanisms of action, 1248

Effects of long-term therapy with oral ibopamine on resting hemodynamics and exercise capacity in patients with heart failure: relationship to the generation of *N*-methyldopamine and to plasma norepinephrine levels, 740

Immediate and short-term hemodynamic effects of diltiazem in patients with hypertension, 108

The relationship between plasma levels of immunoreactive atrial natriuretic hormone and hemodynamic function in man, 1155

Hemorrhage

A clinicopathologic study of patients with hemorrhagic myocardial infarction treated with selective coronary thrombolysis with urokinase, 749

His-Purkinje system

Effect of sudden rate acceleration on the human His-Purkinje system: adaptation of refractoriness in a damped oscillatory pattern, 920

Hydralazine

Pulmonary vascular effects of hydralazine in a canine preparation of pulmonary thromboembolism, 1050

Hypertension

Immediate and short-term hemodynamic effects of diltiazem in patients with hypertension, 108

Loss of nocturnal decline in blood pressure after cardiac transplantation, 401

The relationships of alcoholic beverage use and other traits to blood pressure: a new Kaiser Permanente study, 628

Unexpected effects of treating hypertension in men with electrocardiographic abnormalities: a critical analysis, 114

Hypertrophic cardiomyopathy

Left ventricular pulsus alternans in patients with hypertrophic cardiomyopathy and severe obstruction to left ventricular outflow, 276

I

Ibopamine

Effects of long-term therapy with oral ibopamine on resting hemodynamics and exercise capacity in patients with heart failure: relationship to the generation of *N*-methyldopamine and to plasma norepinephrine levels, 740

Infarct size

The influence of residual coronary stenosis on size of infarction after reperfusion in a canine preparation, 1354

Overestimation of infarct size by quantitative two-dimensional echocardiography: the role of tethering and of analytic procedures, 1360

Inotropic agents

Effects of new inotropic agents on Ca^{++} sensitivity of contractile proteins, III-78

Effects of new inotropic agents on cyclic nucleotide metabolism and calcium transients in canine ventricular muscle, III-117

Effects of new inotropic agents on exercise performance, III-196

Historical perspectives on inotropic agents, III-4

Newer positive inotropic agents: concluding comments, III-237

Newer positive inotropic agents: introduction, III-1

Phosphodiesterase-inhibiting properties of newer inotropic agents, III-99

Potential deleterious effects of inotropic agents in the therapy of chronic heart failure, III-184

Interventional cardiology

Some implications for clinical cardiology of recent advances in interventional cardiology, 1094

Ischemia

Changes in conduction velocity during acute ischemia in ventricular myocardium of the isolated porcine heart, 189

Effect of propranolol on myocardial ischemia occurring during acute coronary occlusion, 727

Effects of verapamil on ischemia-induced changes in extracellular K^+ , pH, and local activation in the pig, 837

The elusive link between transient myocardial ischemia and pain, 201

Partial reversal of asymmetry in microvessel neurochemical changes after ischemia by corpus callosum section, 784

The prevalence and clinical significance of residual myocardial ischemia 2 weeks after uncomplicated non-Q wave infarction: a prospective natural history study, 1186

Regional blood flow correlates of ST segment depression in tachycardia-induced myocardial ischemia, 365

Short-term myocardial uptake of lidocaine and mexiletine in patients with ischemic heart disease, 987

L

Lidocaine

Short-term myocardial uptake of lidocaine and mexiletine in patients with ischemic heart disease, 987

Lipids

Geographic origin of the family as a determinant of serum levels of lipids in Finnish children, 1119

Relationship of angiographically defined coronary artery disease to serum lipoproteins and apolipoproteins in young survivors of myocardial infarction, 1097

M

Magnetic resonance imaging

The detection of atrial and ventricular septal defects with electrocardiographically synchronized magnetic resonance imaging, 89

Martin, H. Newell

H. Newell Martin and the isolated heart preparation: the link between the frog and open heart surgery, 857

MDL 17,043

Positive inotropic therapy for short-term support and long-term management of patients with congestive heart failure: hemodynamic effects and clinical efficacy of MDL 17,043, III-219

Metabolism

Changes in myocardial metabolism during therapy in patients with

chronic stable angina: a comparison of long-term dosing with propranolol and nicardipine, 1270

Mexiletine
Short-term myocardial uptake of lidocaine and mexiletine in patients with ischemic heart disease, 987

Milrinone
Assessment of long-term therapy with milrinone and the effects of milrinone withdrawal, III-205
Effects of amrinone and milrinone on calcium influx into the myocardium, III-52
Effects of milrinone on left ventricular performance and myocardial contractility in patients with severe heart failure, III-162
Identification of the direct vasodilator effect of milrinone with an isolated limb preparation in patients with chronic congestive heart failure, 124
Inotropic effects of amrinone and milrinone on contraction and relaxation of isolated cardiac muscle, III-25
The inotropic effects of amrinone and milrinone on neonatal and young canine cardiac muscle, III-46
Milrinone, dobutamine, and nitroprusside: comparative effects on hemodynamics and myocardial energetics in patients with severe congestive heart failure, III-168
Milrinone and dobutamine in severe heart failure: differing hemodynamic effects and individual patient responsiveness, III-175
Milrinone for long-term therapy of severe heart failure: clinical experience with special reference to maximal exercise tolerance, III-213
Milrinone versus dobutamine: contribution of altered myocardial mechanics and augmented inotropic state to improved left ventricular performance, III-153
Myocardial actions of milrinone: characterization of its mechanism of action, III-134
Pharmacokinetics of the bipyridines amrinone and milrinone, III-145
Pharmacology of the bipyridines: amrinone and milrinone, III-10
Separation of the direct myocardial and vasodilator actions of milrinone administered by an intracoronary infusion technique, 130

Mitral regurgitation
Mitral regurgitation: relationship of noninvasive descriptors of right and left ventricular performance to clinical and hemodynamic findings and to prognosis in medically and surgically treated patients, 900

Mitral stenosis
Comparative accuracy of two-dimensional echocardiography and Doppler pressure half-time methods in assessing severity of mitral stenosis in patients with and without prior commissurotomy, 100

Mitral valve
Valvular-ventricular interaction: importance of the mitral apparatus in canine left ventricular systolic performance, 1310

Moricizine
Efficacy and safety of moricizine in patients with ventricular tachycardia: results of a placebo-controlled prospective long-term clinical trial, 718

Myocardial infarction
Abrupt withdrawal of β -blockade therapy in patients with myocardial infarction: effects on infarct size, left ventricular function, and hospital course, 1281
Analysis of coagulation and fibrinolysis during intravenous infusion of recombinant human tissue-type plasminogen activator in patients with acute myocardial infarction, 511
A clinicopathologic study of patients with hemorrhagic myocardial infarction treated with selective coronary thrombolysis with urokinase, 749
Failure of superoxide dismutase and catalase to alter size of infarction in conscious dogs after 3 hours of occlusion followed by reperfusion, 1065
Incomplete lysis of thrombus in the moderate underlying atherosclerotic lesion during intracoronary infusion of streptokinase for acute myocardial infarction: quantitative angiographic observations, 653
The influence of residual coronary stenosis on size of infarction after reperfusion in a canine preparation, 1354
Intravenous recombinant tissue-type plasminogen activator in patients with acute myocardial infarction: a report from the NHLBI Thrombolysis in Myocardial Infarction Trial, 338
Overestimation of infarct size by quantitative two-dimensional echocardiography: the role of tethering and of analytic procedures, 1360
Oxygen delivery and consumption and P_{50} in patients with acute myocardial infarction, 1183
Pericardial effusion in the course of myocardial infarction: incidence, natural history, and clinical relevance, 294
The prevalence and clinical significance of residual myocardial ischemia 2 weeks after uncomplicated non-Q wave infarction: a prospective natural history study, 1186
Prognostic significance of electrocardiographic site of infarction after correction for enzymatic size of infarct, 885
Quantitative angiographic morphology of coronary stenoses leading to myocardial infarction or unstable angina, 286
Reduction of the size of infarction by allopurinol in the ischemic-reperfused canine heart, 518
Regional myocardial and organ blood flow after myocardial infarction: application of the microsphere principle in man, 433
Regional perfusion, glucose metabolism, and wall motion in patients with chronic electrocardiographic Q wave infarctions: evidence for persistence of viable tissue in some infarct regions by positron emission tomography, 951
Relationship of angiographically defined coronary artery disease to serum lipoproteins and apolipoproteins in young survivors of myocardial infarction, 1097

Myocardial protection
Myocardial protection during transient coronary artery occlusion in man: beneficial effects of regional β -adrenergic blockade, 734

Myocardial relaxation
Myocardial relaxation: effects of preload on the time course of isovolumetric relaxation, 1037

Myocarditis
The effects of cyclosporine on acute murine Coxsackie B3 myocarditis, 353
Therapy with cyclosporine in experimental murine myocarditis with encephalomyocarditis virus, 1058

N

N-Acetylcysteine
Potentiation of nitroglycerin-induced coronary dilatation by *N*-acetylcysteine, 138

N-2-Mercaptopropionyl glycine
Protective effects of *N*-2-mercaptopropionyl glycine against myocardial reperfusion injury after neutrophil depletion in the dog: evidence for the role of intracellular-derived free radicals, 1077

Nicardipine
Changes in myocardial metabolism during therapy in patients with chronic stable angina: a comparison of long-term dosing with propranolol and nicardipine, 1270

Nifedipine
Disparate effects of the calcium-channel blockers, nifedipine and verapamil, on α_2 -adrenergic receptors and thromboxane A_2 -induced aggregation of human platelets, 847
Effect of the addition of propranolol to therapy with nifedipine for unstable angina pectoris: a randomized, double-blind, placebo-controlled trial, 331

Nitroglycerin
The effect of nitroglycerin on forearm arterial distensibility, 1264
Nitroglycerin: a homeopathic remedy, 21
Potentiation of nitroglycerin-induced coronary dilatation by *N*-acetylcysteine, 138
Vasocstriction of stenotic coronary arteries during dynamic exercise in patients with classic angina pectoris: reversibility by nitroglycerin, 865

Nitroprusside
Milrinone, dobutamine, and nitroprusside: comparative effects on hemodynamics and myocardial energetics in patients with severe congestive heart failure, III-168

Norepinephrine
Enhancement by norepinephrine of automaticity in sheep cardiac Purkinje fibers exposed to hypoxic glucose-free Tyrode's solution: a role for α -adrenoceptors? 180
Norepinephrine spillover to plasma in patients with congestive heart

failure: evidence of increased overall and cardiorenal sympathetic nervous activity, 615

Nuclear cardiology

Premortem assessment of myocardial area at risk with the use of intracoronary technetium macroaggregated albumin and gated nuclear imaging, 551

O

Occlusion

Myocardial thallium-201 kinetics during coronary occlusion and reperfusion: influence of method of reflow and timing of thallium-201 administration, 150

Osteogenesis imperfecta

Cardiovascular involvement in osteogenesis imperfecta, 54

Oxygen

Dynamics of oxygen uptake during exercise in adults with cyanotic congenital heart disease, 1137

Oxygen delivery and consumption and P_{50} in patients with acute myocardial infarction, 1183

Oxyhemoglobin dissociation

Oxygen delivery and consumption and P_{50} in patients with acute myocardial infarction, 1183

P

Pacing

Pacing in perspective: concepts and controversies, 1087

Rate control of physiologic pacemakers by central venous blood temperature, 1206

A theoretically and practically more effective method for interruption of ventricular tachycardia: self-adapting autodecremental overdrive pacing, 309

Papaverine

Intracoronary papaverine: an ideal coronary vasodilator for studies of the coronary circulation in conscious humans, 444

Papillary muscle

Electrophysiologic effects of papillary muscle traction in the intact heart, 1013

Perfusion

Digital angiographic measurement of radiographic contrast material kinetics for estimation of myocardial perfusion, 789

Effect of epinephrine on cerebral and myocardial perfusion in an infant animal preparation of cardiopulmonary resuscitation, 809

Pericardial effusion

Pericardial effusion in the course of myocardial infarction: incidence, natural history, and clinical relevance, 294

The relationship between pericardial pressure and right atrial pressure: an intraoperative study, 428

Perspectives

Catheter ablation for treatment of tachyarrhythmias: present role and potential promise, 10

The elusive link between transient myocardial ischemia and pain, 201

Pacing in perspective: concepts and controversies, 1087

Prevention of coronary heart disease—propaganda, promises, problems, and prospects, 1

Pharmacodynamics

Pharmacodynamics of tissue-type plasminogen activator characterized by computer-assisted stimulation, 1291

Phosphodiesterase

Differential inhibition of cardiac cyclic nucleotide phosphodiesterase isoenzymes by cardiotonic drugs, III-109

Phosphodiesterase-inhibiting properties of newer inotropic agents, III-99

Piroximone

Persistent hemodynamic effects without long-term clinical benefits in response to oral piroximone (MDL 19,205) in patients with congestive heart failure, III-230

Platelets

Disparate effects of the calcium-channel blockers, nifedipine and verapamil, on α_2 -adrenergic receptors and thromboxane A_2 -induced aggregation of human platelets, 847

Increased thromboxane biosynthesis in a human preparation of platelet activation: biochemical and functional consequences of selective inhibition of thromboxane synthase, 1300

Indium-111 platelet scintigraphy for the diagnosis of acute venous thrombosis, 668

Intramyocardial platelet aggregation in patients with unstable angina suffering sudden ischemic cardiac death, 418

Reduction of indium-111 platelet deposition on Dacron vascular grafts in humans by aspirin plus dipyridamole, 325

Platelets and vascular occlusion

Clinical trials evaluating platelet-modifying drugs in patients with atherosclerotic cardiovascular disease and thrombosis, 206

Interaction of platelets with the vessel wall in the pathophysiology of sudden cardiac death, 224

Pathophysiology of coronary occlusion in acute infarction, 233

Regional perfusion, glucose metabolism, and wall motion in patients with chronic electrocardiographic Q wave infarctions: evidence for persistence of viable tissue in some infarct regions by positron emission tomography, 951

Role of platelets and platelet inhibitors in aortocoronary artery vein-graft disease, 227

Therapeutic opportunities in vasoocclusive disease, 240

Positron emission tomography

Musings on PET and SPECT, 611

Peripheral-type benzodiazepine receptors in the living heart characterized by positron emission tomography, 476

Regional perfusion, glucose metabolism, and wall motion in patients with chronic electrocardiographic Q wave infarctions: evidence for persistence of viable tissue in some infarct regions by positron emission tomography, 951

Prazosin

Differential long-term intrarenal and neurohumoral effects of captopril and prazosin in patients with chronic congestive heart failure: importance of initial plasma renin activity, 492

Preludes and Progress

H. Newell Martin and the isolated heart preparation: the link between the frog and open heart surgery, 857

Nitroglycerin: a homeopathic remedy, 21

Pressure-volume relationship

Determination of left ventricular end-systolic pressure-volume relationships by the conductance (volume) catheter technique, 586

Right atrial pressure-volume relationships in tricuspid regurgitation, 799

Programmed electrical stimulation

Ambulatory electrocardiographic monitoring in the evaluation of new antiarrhythmic agents, II-92

Commentary: evaluation of antiarrhythmic drugs by sudden death trials, II-98

Comparison of bipolar and unipolar programmed electrical stimulation for the initiation of ventricular arrhythmias: significance of anodal excitation during bipolar stimulation, 693

Criteria for selection of patients for programmed electrical stimulation, II-50

Does therapy directed by programmed electrical stimulation provide a satisfactory clinical response? II-59

Evaluation of electrophysiologic factors modifying results of programmed electrical stimulation in animal preparations of myocardial infarction, II-11

Historic perspectives—electrical stimulation of the heart, II-3

Improved selection of patients for programmed ventricular stimulation by frequency analysis of signal-averaged electrocardiograms, 675

Induction of ventricular tachycardia during programmed electrical stimulation: analysis of pacing methods, II-32

Is the response to programmed electrical stimulation diagnostic of mechanisms for arrhythmias? II-18

Panel and open discussion: evaluation of programmed electrical stimulation, II-79

Panel and open discussion: methods of programmed electrical stimulation, II-45

Panel and open discussion: unresolved issues, II-105

Panel and open discussion: when should programmed electrical stimulation protocols be initiated during new drug development? II-101

Pharmacologic information required for design of programmed electrical stimulation protocols, II-39

Role of electrophysiologic studies in identifying arrhythmogenic properties of antiarrhythmic drugs, II-67

The role of programmed electrical stimulation in the evaluation of investigational antiarrhythmic drugs. Introduction, II-1

The role of programmed electrical stimulation in the evaluation of investigational antiarrhythmic drugs. Overview of the workshop, II-112

Safety of electrophysiologic studies, II-28

Sensitivity, specificity, and reproducibility of programmed ventricular stimulation, II-73

Use of short-term drug testing as part of a systematic approach for evaluation of antiarrhythmic drugs, II-81

Propranolol

- Changes in myocardial metabolism during therapy in patients with chronic stable angina: a comparison of long-term dosing with propranolol and nicaldipine, 1270
- Effect of the addition of propranolol to therapy with nifedipine for unstable angina pectoris: a randomized, double-blind, placebo-controlled trial, 331
- Effect of propranolol after acute myocardial infarction in patients with congestive heart failure, 503
- Effect of propranolol on myocardial ischemia occurring during acute coronary occlusion, 727

Prosthetic valves

- A prospective evaluation of the Björk-Shiley, Hancock, and Carpenter-Edwards heart valve prostheses, 1213

Pulmonary artery banding

- Subaortic stenosis, the univentricular heart, and banding of the pulmonary artery: an analysis of the courses of 43 patients with univentricular heart palliated by pulmonary artery banding, 758

Pulmonary thromboembolism

- Pulmonary vascular effects of hydralazine in a canine preparation of pulmonary thromboembolism, 1050

Pulsus alternans

- Left ventricular pulsus alternans in patients with hypertrophic cardiomyopathy and severe obstruction to left ventricular outflow, 276

Purkinje fibers

- Mechanisms underlying the antiarrhythmic and arrhythmogenic actions of quinidine in a Purkinje fiber-ischemic gap preparation of reflected reentry, 1342

Q

Quinidine

- Mechanisms underlying the antiarrhythmic and arrhythmogenic actions of quinidine in a Purkinje fiber-ischemic gap preparation of reflected reentry, 1342

R

Receptor localization

- Peripheral-type benzodiazepine receptors in the living heart characterized by positron emission tomography, 476

Reflected reentry

- Mechanisms underlying the antiarrhythmic and arrhythmogenic actions of quinidine in a Purkinje fiber-ischemic gap preparation of reflected reentry, 1342

Renal function

- Renal function and urate metabolism in late survivors with cyanotic congenital heart disease, 396

Reperfusion

- The influence of residual coronary stenosis on size of infarction after reperfusion in a canine preparation, 1354
- Myocardial thallium-201 kinetics during coronary occlusion and reperfusion: influence of method of reflow and timing of thallium-201 administration, 150
- Protective effects of *N*-2-mercaptopropionyl glycine against myocardial reperfusion injury after neutrophil depletion in the dog: evidence for the role of intracellular-derived free radicals, 1077
- Reduction of the size of infarction by allopurinol in the ischemic-reperfused canine heart, 518

S

Segmental wall motion

- Quantitative analysis of segmental wall motion during maximal upright dynamic exercise: variability in normal adults, 268

Septic shock

- The coronary circulation in human septic shock, 637

Serotonin

- Serotonin as a mediator of cyclic flow variations in stenosed canine coronary arteries, 572

Smoking

- Public policy on smoking and health: toward a smoke-free generation by the year 2000. A statement of a working group to the Subcommittee on Smoking of the American Heart Association, 381A
- Smoking-induced coronary vasoconstriction in patients with atherosclerotic coronary artery disease: evidence for adrenergically mediated alterations in coronary artery tone, 662

Sodium

- Does amrinone inhibition of stimulated bone resorption involve Na^+ - Ca^{++} exchange? III-59
- Prognostic importance of serum sodium concentration and its modification by converting-enzyme inhibition in patients with severe chronic heart failure, 257

Special Reports

- Public policy on smoking and health: toward a smoke-free generation by the year 2000. A statement of a working group to the Subcommittee on Smoking of the American Heart Association, 381A

Streptokinase

- Incomplete lysis of thrombus in the moderate underlying atherosclerotic lesion during intracoronary infusion of streptokinase for acute myocardial infarction: quantitative angiographic observations, 653

Subaortic stenosis

- Subaortic stenosis, the univentricular heart, and banding of the pulmonary artery: an analysis of the courses of 43 patients with univentricular heart palliated by pulmonary artery banding, 758

Sudden death

- The effect of medical and surgical treatment on subsequent sudden cardiac death in patients with coronary artery disease: a report from the Coronary Artery Surgery Study, 1254
- Intramyocardial platelet aggregation in patients with unstable angina suffering sudden ischemic cardiac death, 418

Superoxide dismutase

- Failure of superoxide dismutase and catalase to alter size of infarction in conscious dogs after 3 hours of occlusion followed by reperfusion, 1065

Surgery

- H. Newell Martin and the isolated heart preparation: the link between the frog and open heart surgery, 857

Surgical ablation

- Surgical ablation of ventricular tachycardia: improved results with a map-directed regional approach, 1239

Sympathetic nervous activity

- Direct evidence from intraneuronal recordings for increased central sympathetic outflow in patients with heart failure, 913
- Norepinephrine spillover to plasma in patients with congestive heart failure: evidence of increased overall and cardiorenal sympathetic nervous activity, 615

T

Tachycardia

- Clinical and electrophysiologic characterization of automatic functional tachycardia in adults, 930
- Efficacy and safety of moricizine in patients with ventricular tachy-

cardia: results of a placebo-controlled prospective long-term clinical trial, 718

Regional blood flow correlates of ST segment depression in tachycardia-induced myocardial ischemia, 365

Surgical ablation of ventricular tachycardia: improved results with a map-directed regional approach, 1239

A theoretically and practically more effective method for interruption of ventricular tachycardia: self-adapting autodecremental overdrive pacing, 309

Ventricular tachycardia in a young population without overt heart disease, 1111

Tetralogy of Fallot
Is the aorta truly dextroposed in tetralogy of Fallot? A two-dimensional echocardiographic answer, 892

Thallium
Myocardial thallium-201 kinetics during coronary occlusion and reperfusion: influence of method of reflow and timing of thallium-201 administration, 150

Thrombolytic
Acute coronary reocclusion after thrombolysis with recombinant human tissue-type plasminogen activator: prevention by a maintenance infusion, 347

Analysis of coagulation and fibrinolysis during intravenous infusion of recombinant human tissue-type plasminogen activator in patients with acute myocardial infarction, 511

A clinicopathologic study of patients with hemorrhagic myocardial infarction treated with selective coronary thrombolysis with urokinase, 749

Incomplete lysis of thrombus in the moderate underlying atherosclerotic lesion during intracoronary infusion of streptokinase for acute myocardial infarction: quantitative angiographic observations, 653

Intravenous recombinant tissue-type plasminogen activator in patients with acute myocardial infarction: a report from the NHLBI Thrombolysis in Myocardial Infarction Trial, 338

Mechanical thrombolysis: a new rotational catheter approach for acute thrombi, 1006

Thrombosis
Indium-111 platelet scintigraphy for the diagnosis of acute venous thrombosis, 668

Thromboxane
Increased thromboxane biosynthesis in a human preparation of platelet activation: biochemical and functional consequences of selective inhibition of thromboxane synthase, 1300

Tissue characterization
Regional perfusion, glucose metabolism, and wall motion in patients with chronic electrocardiographic Q wave infarctions: evidence for persistence of viable tissue in some infarct regions by positron emission tomography, 951

Tissue-type plasminogen activator
Acute coronary reocclusion after thrombolysis with recombinant human tissue-type plasminogen activator: prevention by a maintenance infusion, 347

Analysis of coagulation and fibrinolysis during intravenous infusion of recombinant human tissue-type plasminogen activator in patients with acute myocardial infarction, 511

Intravenous recombinant tissue-type plasminogen activator in patients with acute myocardial infarction: a report from the NHLBI Thrombolysis in Myocardial Infarction Trial, 338

Pharmacodynamics of tissue-type plasminogen activator characterized by computer-assisted stimulation, 1291

Tocainide
Short- and long-term therapy with tocainide for malignant ventricular tachyarrhythmias, 143

Transposition of the great arteries
Blood flow pattern of the interarterial communication in patients with complete transposition of the great arteries: a pulsed Doppler echocardiographic study, 95

Pulsed Doppler echocardiographic assessment of the pulmonary venous pathway after the Mustard or Senning procedure for transposition of the great arteries, 765

Wall thickness, cavity dimensions, and myocardial contractility of the left ventricle in patients with simple transposition of the great arteries. A multicenter study of patients from 10 to 20 years of age, 622

Transstenotic pressure
Measurement of transstenotic pressure gradient during percutaneous transluminal coronary angioplasty, 1223

Tributes
Andreas Roland Gruentzig (1939-1985). A private perspective, 606
F. Mason Sones, Jr. (1918-1985), 199

Tricuspid regurgitation
Right atrial pressure-volume relationships in tricuspid regurgitation, 799

U

Ultrasound
Studies in vitro of the relationship between ultrasound and laser Doppler velocimetry and applicability to the simplified Bernoulli relationship, 300

Univentricular heart
Subaortic stenosis, the univentricular heart, and banding of the pulmonary artery: an analysis of the courses of 43 patients with univentricular heart palliated by pulmonary artery banding, 758

Urokinase
A clinicopathologic study of patients with hemorrhagic myocardial infarction treated with selective coronary thrombolysis with urokinase, 749

V

Valvular heart disease
Accurate noninvasive quantification of stenotic aortic valve area by Doppler echocardiography, 452

Diastolic 'locking' of the mitral valve: possible importance of diastolic myocardial properties, 997

Relationship of contractile state to ejection performance in patients with chronic aortic valve disease, 47

Vasoconstriction
Enhanced peripheral vasoconstrictor response and increased thromboxane A₂ synthesis after the cold pressor test in patients with angina at rest, 409

Vasopressin
Effects of vasopressin on the circulation and its baroreflex control in healthy men, 1145

Ventricular failure
Respiratory system impedance in patients with acute left ventricular failure: pathophysiology and clinical interest, 386

Ventricular performance
Abrupt withdrawal of β -blockade therapy in patients with myocardial infarction: effects on infarct size, left ventricular function, and hospital course, 1281

Determination of left ventricular end-systolic pressure-volume relationships by the conductance (volume) catheter technique, 586

Determination of left ventricular end-systolic pressure-volume relationships by the conductance (volume) catheter technique, 586

The effect of contractility and preload on matching between the canine left ventricle and afterload, 161

Effects of milrinone on left ventricular performance and myocardial contractility in patients with severe heart failure, III-162

Effects of supine and lateral positions on cardiac output and intracardiac pressures: an experimental study, 579

End-systolic measures of regional ventricular performance, 938

Exercise-induced regional dysfunction with subcritical coronary stenosis, 596

Left ventricular performance and contractility before and after volume infusion: a comparative study of preterm and full-term newborn lambs, 1042

Milrinone versus dobutamine: contribution of altered myocardial mechanics and augmented inotropic state to improved left ventricular performance, III-153

Mitral regurgitation: relationship of noninvasive descriptors of right and left ventricular performance to clinical and hemodynamic findings and to prognosis in medically and surgically treated patients, 900

SUBJECT INDEX

[Ventricular performance-Volume infusion]

Myocardial relaxation: effects of preload on the time course of isovolumetric relaxation, 1037

Valvular-ventricular interaction: importance of the mitral apparatus in canine left ventricular systolic performance, 1310

Ventricular septal defect

The detection of atrial and ventricular septal defects with electrocardiographically synchronized magnetic resonance imaging, 89

Relevance of location of defect and pulmonary vascular resistance to the intracardiac pattern of left-to-right shunt flow in dogs with experimental ventricular septal defect, 775

Verapamil

Disparate effects of the calcium-channel blockers, nifedipine and verapamil, on α_2 -adrenergic receptors and thromboxane A₂-induced aggregation of human platelets, 847

Effects of verapamil on ischemia-induced changes in extracellular K⁺, pH, and local activation in the pig, 837

Volume infusion

Left ventricular performance and contractility before and after volume infusion: a comparative study of preterm and full-term newborn lambs, 1042

